



# भारत का राजपत्र

## The Gazette of India

प्राधिकार से प्रकाशित  
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नई विस्ती, शनिवार, फरवरी 10, 1973 (माघ 21, 1894)

No. 6]

NEW DELHI, SATURDAY, FEBRUARY 10, 1973 (MAGHA 21, 1894)

इस भाग में अलग पृष्ठ संख्या वाली जाती है जिससे कि पहला अलग संकलन के रूप में रखा जा सके।  
(Separate paging is given to this Part in order that it may be filed as a separate compilation)

## भाग III—खण्ड 2

## PART III—SECTION 2

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से संबंधित अधिसूचनाएँ और नोटिस

## Notifications and Notices Issued by the Patent Office relating to Patents and Designs

## THE PATENT OFFICE

## Patents and Designs

Calcutta, the 10th February 1973

The dates shown in crescent brackets are the dated claimed under Section 135 of the Act.

## Application for Patents Filed at the Head Office

20th January 1973

147/Cal/73. Council of Scientific and Industrial Research. A process for manufacture of silver graphite compositions.

148/Cal/73. Photronics. A dispenser.

149/Cal/73. Koninklijke Industriels Maatschappij Noury &amp; Van der Lande N. V. Process for U.V. curing of unsaturated polyester resins in the presence of a liquid photosensitizer composition. [26th March 1970]. [Divisional date 15th February 1971].

150/Cal/73. Produits Chimiques Ugine Kuhlmann. Improvements in or relating to animal feeds.

22nd January 1973

151/Cal/73. Union Carbide Corporation. Selective adsorption process for air separation. [Addition to No. 133408].

152/Cal/73. Dunlop Limited. Toothed belt. (22nd January 1972).

153/Cal/73. Omnium De Prospective Industrielle. Apparatus for drying a moving web of damp material.

154/Cal/73. Anglo American Corporation of South Africa Limited. Producing high purity gold powder.

155/Cal/73. Ciba-Geigy AG. Process for the manufacture of azo dyestuff compounds. [Divisional date 19th January 1971].

156/Cal/73. P. Patin. A guided transport system.

157/Cal/73. Badische Anilin. &amp; Soda-Fabrik Aktiengesellschaft. Pyrimidine disperse dyes.

158/Cal/73. Wiggins Teape Research &amp; Development Limited. Method of and apparatus for manufacturing paper or other non-woven fibrous material. (6th April 1972).

159/Cal/73. Bunker Ramo Corporation. One piece free standing terminal.

160/Cal/73. Air Products and Chemicals, Inc. Process for making new thiadiazole compounds. [Divisional date 16th October 1970].

24th January 1973

161/Cal/73. Enkay (India) Rubber Co., Private Ltd. Inflatable balls and like substances.

162/Cal/73. Carrier Corporation. Electrostatic precipitator.

163/Cal/73. Ishikawajima-Harima Jukogyo Kabushiki Kaisha. Electric direct-arc furnace.

164/Cal/73. Union Laitiere Vaudoise. Process for the preparation of a hydrolyzate of proteins for use as a foodstuff.

165/Cal/73. E. Solbeck. A machine for producing non-woven nettings.

166/Cal/73. Snam Progetti S.P.A. Process for the separation of isoprene from mixtures containing it.

167/Cal/73. Emhart Zurich Sa. Glass container inspection machine.

168/Cal/73. Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius &amp; Bruning. Process for the preparation of azo pigments.

169/Cal/73. Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius &amp; Bruning. New n-(aminobenzoyl)-aminoarylsulfonic acids and process for preparing them.

170/Cal/73. Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Monoazo pigments and process for preparing them.

171/Cal/73. Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for the preparation of pigment compositions for coloring polyolefins.

172/Cal/73. Globe-Union Inc. Closure assembly for storage battery.

173/Cal/73. Personal Communications, Inc. Fiber optic system.

174/Cal/73. Kautex Reinold Hagen GmbH. Blow moulding apparatus.

175/Cal/73. The Lubrizol Corporation. Improved acrylonitrile polymerization method and products thereof.

25th January 1973

176/Cal/73. Westinghouse Electric Corporation. (110) [001] textured low-alloy iron and process for producing the same.

177/Cal/73. Union Carbide Canada Limited. Modified polyamides with enhanced basic dyeability (21st February 1972).

178/Cal/73. Sraia Viscosa Societa' Nazionale Industria Applicazioni Viscosa S.p.A. Method for the production of omega lactams and their precursors by formation and nitrosation of the cyclomethylene ketone-SO<sub>2</sub> adduct and products obtained thereby.

179/Cal/73. Renfag S. A. Preparation of N-(1-ethyl-2-pyrrolidylmethyl)-2-methoxy-5-ethylsulphonylbenzamide.

180/Cal/73. M. Gerhaher. An Extruded roofing tile.

181/Cal/73. ESB Incorporated. Bioelectrochemical regenerator and stimulator devices.

182/Cal/73. The Upjohn Company. Chemical process.

183/Cal/73. Snam Progetti S.p.A. Process for producing sugars.

184/Cal/73. Syntex Corporation. 2,2-dimethyl-1,3-dioxolane-4-methanol ointment vehicle.

185/Cal/73. Susheel Kumar Arya. Improvements in or relating to photo relay memory.

Application for Patents Filed at Patent Office (Bombay Branch)

15th January 1973

22/Bom/73. Hindustan Lever Limited. Antiperspirant and deodorant compositions. (20th January 1972).

23/Bom/73. Mit-N-Mir. Improvements in or relating to prefabricated pre-cast concrete well type canal drop structure or the like.

24/Bom/73. Mit-N-Mir. Improvements in or relating to pre-cast cross regulators or division boxes for regulating the water flow in minor canal branching out into two or more distributaries.

17th January 1973

25/Bom/73. N. P. Punater and V. H. Chavda. Roadstar line reflecting studs.

26/Bom/73. N. P. Punater and V. H. Chavda. Roadstar-B line reflectors.

27/Bom/73. N. P. Punater and V. H. Chavda. Roadstar-C line markers.

18th January 1973

28/Bom/73. Hindustan Lever Limited. Catalysts. (28 January 1972).

22nd January 1973

29/Bom/73. Hindustan Lever Limited. Detergent bars. (28th January 1972).

30/Bom/73. Hindustan Lever Limited. Antiperspirant compositions. (28th January 1972).

31/Bom/73. B. S. Sood and G. R. Gayathrivallabhan. Telescopic Repackable expansion unit.

23rd January 1973

32/Bom/73. Hindustan Lever Limited. Catalysts. (25th January 1972).

33/Bom/73. B. R. Shahtri. Improvement in or relating to lock-rings as means for locking and inter-locking process in pressed buttons.

Application for Patents Filed at Patent Office (Madras Branch)

19th January 1973

10/Mas/73. C. I. S. Rao. Improvements in or relating to milling of sugarcane.

20th January 1973

11/Mas/73. F. Malcolm. Self closing water tap.

Alteration of date

126723. The claim to priority date 12th June 1969 has been abandoned and the application dated as of 19th May 1970, the date of filing in India.

#### Complete Specifications Accepted

Notice is hereby given that all persons interested in opposing the grant of patents on any of the applications concerned, may at any time within four months of the date of this Gazette of India or within such further period not exceeding one month applied for in Form 14 of the Patents Rules, 1972 before the expiry of the said period of four months give notice to the Controller of Patents in the prescribed Form 15th of the Patents Rules, 1972 of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

A limited number of printed copies of the specification in the following list will be available for sale from the Government of India Book Depot, 8 Kiron Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra, if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

The required typed copies of the specifications together with copies of the drawings, if any, can be supplied by Patent Office on payment of the necessary charges which may be ascertained on application to this office.

The dates shown in crescent brackets are the dates allowed under Section 135 of the Act.

81331. Carlo Erba S.p.A. Process for the preparation of salts of new derivatives of tetracycline antibiotics.

*Process for the manufacture of salts of derivatives of antibiotics of tetracycline group with ceramic or optically active lysine characterised in that a salted tetracycline is made to react with lysine in the presence of formaldehyde.*

100481. Les Laboratoires Dausse. Process for the preparation of the monohydrate of the equimolecular complex of ascorbic acid and pyridoxine base.

*Process for the preparation of the monohydrate of the equimolecular complex of ascorbic acid and pyridoxine base, which comprises reacting pyridoxine base and ascorbic acid in equimolecular proportions in the presence of water, concentrating the reaction medium not higher than 40°C and cooling the concentrated medium to cause the separation of desired monohydrate crystal.*

107119. Chinoi Gyorgy E. Vegyeszeti Termek Gyara. New derivatives of 6-amino-penicillanic acid of pharmaceutical value.

Reacting 6-amino penicillanic acid with an acid capable for acylation of amines.

115263. E. Gy. T. Gyogyszervegycsseti Gyar formerly known as Egyesult Gyogyszer Es Tapszergyar. Pharmacologically active new tertiary ester salts, process for their preparation, and pharmaceutical composition containing such salts.  
*Process for preparing tertiary ester salts comprising the steps of reacting 3- $\alpha$ -tropanol or 3p-tropanol or a reactive derivative thereof with an appropriate carboxylic chloride, then reacting the obtained compound with an alkyl bromide.*

126066. Karamchand Premchand Pirvate Limited. Process for the preparation of quinazolinone derivatives.  
*Comprises reaction compound like N-(o-carboxyphenyl)- $\beta$ -(3-pyridyl)-acrylanide and o-toluidine in presence of condensing agent such as phosphorus oxychloride.*

126723. Pfizer Corporation. Process for preparing ortho substituted phenoxy-amine.  
*Process for preparing ortho-substituted phenoxy-amine which comprises reaction of the appropriate ortho-substituted phenol with an alkali metal compound in an inert solvent to form the alkali metal phenate and then with the appropriate halide to yield the required product.*

127804. Eli Lilly and Company. Preparation of new antibiotic.  
*Comprises cultivating an organism which is an antibiotic A 16884 producing strain of streptomyces lipmanii NRRL 3584 in a culture medium containing assimilable sources of carbon nitrogen and inorganic salts under submerged aerobic conditions.*

128253. Union Carbide Corporation. A process for making metal additions to molten aluminium bath for making alloys thereof.  
*Comprises introducing into molten aluminium bath a blended mixture consisting essentially of from about 10% to about 90% of finely divided material selected from the group consisting of Mn, Cr, W, Mo, Ti, V, Fe Co, Cu, Ni Ch, Ta, Zr, Hg, Ag, and alloys thereof.*

128491. International Burner Corp. Ltd. (formerly known as International Industries Limited). Burners. (8th October 1969).  
*A burner head, on the first end of the tube, a counter flow chamber, means for providing a fuel counter flow through a counter flow chamber, means for causing the flame of the tongue to be extinguished when a sufficient rise in ambient temperature has supervened.*

128684. Council of Scientific and Industrial Research. A process for the manufacture of building bodies such as bricks, building blocks, roofing tiles and the like utilising fly ash, bottom ash of pulverised coal fired thermal power stations, ash from shales and washery rejects and/or sinks.  
*Wherein the raw materials consist of waste products base on burning pulverised coal in coal fired thermal power stations, the raw materials are proportioned so that ratio of CaO and SiO<sub>2</sub> is between 1:4.5 to 1:6.5 so that in the final mix calcium silicate hydrate is formed, the decelerating agents being incorporated according to the strength desired in accordance with a relation between the quality and quantity of accelerating agents added and the final strength of the product.*

128842. L. B Morgan. Means for scientifically supervised use of a medicated solution to and for confining the same to the corneal area of a patient's eyeball.  
*Comprising in combination, a one piece of precision made cup-like member embodying a rim portion with an inner surface superimposed upon and coordinating with the sclera of the eyeball and a centralized apical portion providing a corneal lens, a remote source of supply of a prescribed medicated*

solution, and elongated flexible tubing having an intake end communicatively joined to source of supply to a discharge end attached.

129000. Les. Parsons & Sons (Engineers) Limited. An onion skinning machine. (5th November 1969).  
*A hopper to contain onions, an endless conveyor moving at its lower end, the conveyor comprises a series of onion carrying devices spaced apart from each other along the conveyor, means for removing excess onions from the conveyor so as to leave only one onion on each carrying device.*

129049. S. T. Henriksson and R. I. Muotka. A method of open-pit mining.  
*Characterised by a transport ramp system in the form of a tunnel dug in the materials outside the open-pit and the body of the ore being mined, between the ground level and the different mining levels and mined ore is transported to the surface of the ground through tunnels dug at various levels between the different mining places and the ramp system and through the ramp system*

129088. E. I. Karetnikova, J. I. Tesnek and A. F. Senchenkov. Induction apparatus such as power transformers.  
*O-sections forming the ribbon core are split in a plane parallel to the coil axis in the middle of the narrow portions, while the cross-sectional area of the U-shaped outer side portions of the core sections is equal to, or greater than, the cross-sectional area of the inner portions of said sections.*

129110. The Director, Jute Technological Research Laboratories, Indian Council of Agricultural Research, 12, Regent Park, Tollygunge, Calcutta-40. Jute Plant ribboner.  
*Comprises 3 pairs of wooden, fluted rollers, the middle roller pair being raised to about 2 cm above the level of the other two the top roller in each case being pressed by an adjustable spring.*

129490. Spindelfabrik Sussen, Schurr, Stahlecker & Grill G.m.b.H. Spindles for textile machines.  
*Characterised in that one clutch surface of the clutch element engages upon a corresponding surface of an intermediate clutch member which is axially slidable on the fixed wharve member and non-rotatably connected thereto by a coupling ring.*

219741. Wilhelm Stahlecker G.M.B.H. Twin top rollers for method of producing the same.  
*Characterised in that the piece is made of a tube, the opposite ends of which are enlarged by non-cutting shaping operations so as to form sockets for receiving the bearing.*

129749. N. V. Bekaert S. A. Process for the manufacture of a steel wire coated by extrusion with polyethylene terephthalate, as well as the polyethylene terephthalate coated steel wire and the products manufactured from it.  
*Characterized in that the uncoated wire is heated upto 150-178°C and is then plastically extruded through an extrusion head at 250-270°C under an increased pressure the temperature of the heated head being maintained at least at 250°C by separate heating means.*

129757. Matsushita Electric Industrial Co. Ltd. A method for producing manganese dioxide electrolytically.  
*Aqueous manganese chloride solution is electrolyzed under conditions that HCl concentration being .01 to 1.0 mole/l, manganese chloride concentration of 0.2 to 6.0 mole/l, both temperature of 70° to 99°C and a current density of 0.3 to 5A/dm<sup>2</sup>.*

130252. Sur Extinguishers Corporation. Improvements in or relating to fire extinguishers.

*A cartridge sealed with a frangible valve which can be broken off for discharging the fire extinguishing fluid.*

130297. FMC Corporation. A retainer assembly for the rollers of a cylindrical roller bearing cage.  
*Comprises a pair of spaced end rings and equally spaced spacer bars having opposed concave surfaces defined by two partial cylindrical surfaces formed about axes parallel to roller axis and intersecting along a line.*

130320. Dynamit Novel Aktiengesellschaft. Improvements in or relating to dimethyl terephthalate.  
*Characterized by carrying out the oxidation step in the presence of a combination of cobalt and manganese compounds.*

130348. Inland Steel Company. Method for producing a rimming ingot containing a fume-producing ingredient.  
*Characterised by further step of filling ingot leaving neck of the mould empty, permitting the steel to rise in its level in the mould, introducing fume producing ingredient in the stilling rimming steel, pouring additional molten steel to fill the ingot neck immediately and then capping said ingot to freeze to top of ingot neck to seal the ingot.*

130351. Pilling Brothers Limited. Improvements in or relating to the stacking of sheets. (25th February 1970).  
*Comprising a rotary stacking device having at least one sheet carrying face on which a sheet is horizontally loaded from a conveyor and which to a vertical position for unloading it to a support surface and transfer means to carry said sheet into a desired position on the surface.*

130363. Uniroyal Engebret France S.A. A treat reinforcing breaker for pneumatic tire.  
*Comprises a first plural layer ply structure having elongated metallic reinforcing elements and a second plural layer ply structure having elongated non-metallic reinforcing elements, the layers of the second ply structure having a single length of non-metallic breaker cord extending circumferentially about the crown region of the carcass.*

130417. Bayer Aktiengesellschaft, formerly known as Farbenfabriken Bayer Aktiengesellschaft. Process for the production of radiation-crosslinkable polymers.  
*Monomers containing (meth) acryloyloxy groups and radiation cross-linkable vinylene carbonyl or vinylene carbonyl vinylene are subjected to radical polymerisation in heterogeneous phase.*

130509. C.A.V. Limited. Vehicle transmission control systems.  
*Including switches in circuit with one or more solenoids respectively and means responsive to speed of the vehicle being provided to control operation of said switching whereby energisation of each solenoid can only occur if the road speed of the vehicle is below a predetermined value.*

130623. Imperial Chemical Industries Limited. Vessel corrosion indicator. (19th March 1970).  
*Provided with a plurality of holes each containing a probe extending from the outside of shell, towards and almost upto the inner lining means for comparing the conductivity between probe and shell with preselected reference value and means for actuating an alarm signal if and when the productivity exceeds the prescribed preference value.*

130836. Dynamit Novel Aktiengesellschaft. Process for the purification of dimethyl terephthalate.  
*Characterised in that crystallisation in methanol is carried by indirect cooling surface being kept free of deposits by scraper means.*

131270. E. Gy. T. Gyogszervegyeszeti Gyar. A process for the preparation of a new pharmaceutically active 2, 3-diazabicyclo [5.4.0.] undecapentaene derivative.  
*Comprises reacting 3-[2-veratroyl-4, 5-dimethoxyphenyl] pentan (2) one with hydroxine or hydrazine hydrate in presence of a mineral acid.*

131592. Imperial Chemical Industries Limited. Monoazo dyestuffs. (22nd June 1970).  
*Comprises coupling diazotized 2, 4-dinitro-5-chloroaniline with 2-methoxy-5-acetylaminino-N-ethyl-N-[6-(6-methoxy-ethoxy carbonyl) ethylaminine].*

131769. Kharkovsky Aviationsny Institut. Vertical machine for working metals by impulses.  
*Incorporating upper and lower rams brought into collision by an energy carrier into an impulse chamber, chambers enclosed in the upper ram to accommodate movable pistons with their rods and communicating with the impulse chamber, the tools fastened on upper and lower rams, and means for stopping the rods without shock.*

131780. Uss Engineers and Consultants, Inc. Tundish and method of preheating same.  
*Characterized by steps of turning the vessel about horizontal axis to preheat position, aligning the vessel with a burner and exhaust means cooperating with a cover, igniting the burner to heat the vessel to a temperature above the melting point of the metal remaining in the vessel, and allowing the molten metal to flow out from the vessel at its lowermost point.*

132645. Basanta Kumar Roy. Two wheel tractor.  
*Comprising axle, two groundwheels and two toothed wheels.*

133132. F. Steinmetz. Ball bearing lapping machine.  
*An outer member having an inner complete conical surface of revolution, an inner member having an outer complete conical surface of revolution and mounted co-axially within the outer member, an member having at least one spiral groove in its complete conical surfaces of revolution means for rotating one member.*

133207. Takeda Chemical Industries, Ltd. Process for the production of benzodiazepine derivatives.  
*Comprises reacting compound like 5-chloro-2-(3-chloro-methyl-s-triazol-4-yl) benzophenone hydrochloride with Hx-NH<sup>2</sup>, x being -O-or-OH1 Y is ethylene or trimethylene group and Z is halogen.*

133485. E. Y. Timoshpolsky, B. I. Satovsky, J. F. Sazhin, and V. N. Tsvetkov. Crowding rope gear of power shovel.  
*Crowding and return ropes pass through the sheaves mounted in the rear and front parts of the handle, a double arm pivoting lever, connected to one arm of which is the crowding rope, while its other arm is attached to the return rope and to the movable part of a shock absorber.*

133818. Joseph Lucas (Industries) Limited. Solenoid for use in an engine starting mechanism. (8th December 1970).  
*Including a hollow armature, a link member extending into it and a resilient element surrounding said link member and abutting at each end against abutment member engaged with the link member.*

\*135354 (817/72). Litton Industries, Inc. Business machines. [Divisional date 14th June 1971].  
*Including an accumulator for performing adding operations, a carry mechanism for rotating the*

*accumulator unit and includes a transfer bail for advancing the accumulator unit of specific order and camming means.*

"The first number shown is the serial number given to the application under Rule 32 of the Patents Rules 1972 on acceptance of the complete specification under which the specification will be printed and Abridgments and all subsequent proceedings will be taken. The second number in the bracketed is the corresponding application number.

#### Correction of Clerical Errors

Under Section 78(1) of the Patents Act, 1970, certain clerical errors occurring in the Specification of Patent Application No. 131083 were corrected on 27th January 1973.

#### Patents Sealed

125316 125534 125815 126891 127085 127306 127597 127884  
127865 128299 128824 128872 129249 129325 129478 129669  
129824 130016 130643 130933 131018 131453 133338 133533  
133904.

#### Amendment Proceedings

##### (1)

Notice is hereby given that Farbenfabriken Bayer Aktiengesellschaft, a body corporate organised under the laws of the Federal Republic of Germany, of Leverkusen, Federal Republic of Germany, have made an application under Section 57 of the Patents Act, 1970 for amendment of the application, specification and drawings of their application for Patent No. 128995 for "Vulcanization retarders". The amendments are by way of correction of name of the applicants which has been changed to "Bayer Aktiengesellschaft" from "Farbenfabriken Bayer Aktiengesellschaft". The application for amendment and the proposed amendments can be inspected, free of charge at the Patent Office on any working day during usual office hours or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed Form 30 within three months from the date of this notification. If the written statement of opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said notice.

##### (2)

The amendments proposed by Ishihara Sangyo Kaisha Ltd., in respect of Patent application No. 127981 as advertised in Part III, Section 2, of the Gazette of India dated the 14th October, 1972 have been allowed.

##### (3)

The amendment proposed by the Goodyear Tire & Rubber Company in respect of Patent Application No. 129919 as advertised in Part III, Section 2 of the Gazette of India dated the 14th October 1972 has been allowed.

#### Registration of Assignments, Licences, etc. (Patents)

Assignments, licences or other transactions affecting the interests of the original patentees have been registered in the following cases. The number of each case is followed by the names of the parties claiming interests.

93671	M/s. Tetra Pak International AB,
93715	
71473	—M/s. Ecolaire Incorporated.
107080	
112051	
118599	M/s. Sun Oil Company of Pennsylvania.
115578	
115728	
121995	

#### Patents deemed to be endorsed with the words "Licences of Right"

The following patents are deemed to have been endorsed with the words "Licences of right" under Section 87 of the Patents Act, 1970. The dates shown in the crescent brackets are the dates of the patents.

No.	Title of the invention
84819 (26-10-62)	Process for the removal of straight chain hydrocarbons from petroleum fractions.

No.	Title of the invention
84835 (29-10-62)	Chromium-or cobalt-containing reactive dyes, and process of dyeing, padding or printing fibers therewith.
84838 (29-10-62)	Wet-process phosphoric acid manufacture by the Semihydrate-dihydrate calcium sulphate method.
84844 (29-10-62)	A method for producing polymers of acrylonitrile.
84851 (29-10-62)	Hydroconversion of hydrocarbons.
84853 (5-5-61)	Fungicidal compositions containing 3, 3'-hydrocarbonylene-bis-(tetrahydro-1, 3, 5-thiadiazine-2-thiones).
84869 (31-10-61)	Process for making refractory material.
84870 (30-10-62)	Process and apparatus for the polymerization of ethylene.
84877 (30-10-62)	1, 4-Dihydroxyanthraquinones, process for their manufacture, and dyeing or printing synthetic fibres therewith.
84878 (30-10-62)	Process for optically brightening organic material.
84887 (31-10-62)	Phosphoric acid esters, their preparation and parasiticidal compositions containing such esters.
84919 (1-11-62)	Process for removing silica from the alkaline pulping waste liquor.
84936 (3-11-61)	Improvements in and relating to the manufacture of oxides.
84950 (3-11-62)	Multistage oxidation system for preparing dicarboxylic acid.
84964 (3-11-62)	Vat dyestuffs, process for their manufacture and use.
84965 (3-11-62)	Halogenated dihydroxy-diaminoanthraquinones and processes for their manufacture.
84966 (3-11-62)	Alkylated dihydroxy-diaminoanthraquinones and process for their manufacture.
84984 (5-11-62)	A process for preparing milk powder.
84988 (6-11-62)	Process for the manufacture of water-insoluble azo-dyestuffs.
84994 (6-11-62)	Process for optically brightening natural or synthetic material.
84998 (6-11-62)	Polymers, methods of making them, and articles made therefrom.
84999 (6-11-62)	Process for preparing crystalline polymers, the polymers so prepared and articles made therefrom.
85018 (7-11-62)	Process for the extraction in liquid phase of aromatic hydrocarbons from hydrocarbon mixtures containing them.
85036 (8-11-62)	Improvements in and relating to methods and devices for separating out, in the solid state, constituents of a gas mixture by coking.
85047 (9-11-62)	A process for the manufacture of brominated aminoanthraquinones.
85058 (12-11-62)	Apparatus and process for the separation of at least substantially solid materials from a liquid suspension thereof.
85061 (12-11-62)	New stabilisers for use in dispersions of synthetic polymers and process for the preparation thereof.
85068 (12-11-62)	Process of and apparatus for calcining gypsum.
85075 (12-11-62)	Process for dyeing polyester fibers, dyestuff-preparations, and process for its manufacture.
85088 (13-11-62)	Method of preparing acrylonitrile polymer and copolymers and fibers produced therefrom.
85135 (15-11-62)	Improvements in gas separation.
85156 (20-8-62)	Process for the production of new coumarin compounds and fibres, threads and foils brightened therewith.

No.	Title of the invention	No.	Title of the invention
85175 (17-11-62)	Improvements in and relating to the manufacture of 2-mercaptopro-4, 6-bis-amino-5-triazine.	85374 (4-12-61)	Process for the manufacture of new triazine compounds and their use in the whitening of polymeric material.
85176 (17-11-62)	Improvements in and relating to the manufacture of herbicidal 2-methylthio-4, 6-bis-amino-5-triazine derivatives.	85425 (3-12-62)	Hyperphosphoric acid, process for preparing the same and fertilizers prepared therefrom.
85180 (4-5-62)	Process for the manufacture of trihydrate of alumina.	85445 (3-12-62)	New quaternary nitrogen derivatives, process for their preparation and process for dyeing and printing fibrous materials with the same.
85184 (17-11-62)	Process for preparing alkyl aluminium halides.	85454 (4-12-61)	Process for reducing the tendency of polythene to acquire electrostatic charge.
85185 (17-11-62)	Polymerisation process.	85455 (8-12-61)	Process for preparing oxymethylene polymer.
85193 (19-11-62)	Process for preparing novel surface-active compounds, compositions containing the same and articles treated thereby.	85463 (4-12-62)	A process for expelling moisture from a rubbery homopolymer.
85194 (19-11-62)	Process for the preparation of new dialkylaluminate compounds.	85476 (4-12-62)	Improvements in or relating to the preparation of p-nitrosophenyl ethers and subsequent conversion to N-substituted anilines.
85222 (20-11-62)	Process for preparing a carbonyl compound selected from the group consisting of aldehydes & ketones.	85489 (19-9-62)	Process for the production of new reactive anthraquinone dyestuffs, dyestuffs so produced and process for dyeing or printing cellulose containing materials with the same.
85234 (21-11-62)	Polyurethanes and methods for their production.	85492 (5-12-62)	Herbicidal compositions containing substituted uracils.
85236 (21-11-62)	Heat-resistant chocolate article and process for its manufacture.	85500 (6-12-62)	A method of producing non-flammable hardenable synthetic resins for electrotechnical uses.
85265 (22-11-62)	Process for the production of urea.	85501 (6-12-62)	Method of producing non-linear hardenable and neutral synthetic resins.
85267 (20-9-62)	Process for the preparation of new dyestuffs derived from N-substituted perinaphthoactams and materials, especially those consisting wholly or substantially of polymerised acrylonitrile or vinylidene cyanide, dyed therewith.	85502 (6-12-62)	Process for stabilizing crystalline polyolefins.
85272 (23-11-62)	Process for the preparation of additives and lubricating compositions containing the additives so prepared.	85543 (10-12-62)	Water-insoluble disazo dyes, their production, and elastomers, plastics, and natural and synthetic resins, printed, pigmented or dyed therewith.
85281 (24-11-62)	Process for the preparation of phthalocyanine.	85554 (10-12-62)	Process for the preparation of polyolefin copolymers.
85283 (24-11-62)	Process for the production of organic phosphites and synthetic resin compositions containing the same.	85559 (11-12-62)	Hydrogen aluminosilicate and method of producing the same.
85289 (24-11-62)	Process for the manufacture of 1, 4-cyclohexane-dicarboxylic acid dialkyl esters.	85563 (11-12-62)	Polyolefinic alcohols and process for the manufacture thereof.
85295 (26-11-62)	Process for the preparation of derivatives of thiophosphoric acid and compositions containing such derivatives.	85594 (14-12-61)	Process for preparing oxymethylene polymers.
85306 (26-11-62)	Preparations comprising metal-containing dyestuffs, process for their manufacture and their use in a process for the coloration of plastic masses.	85614 (13-12-62)	Improvements in or relating to methods of carrying out pyrolysis reactions.
85323 (27-11-62)	Improvements in method and apparatus for drying air.	85641 (20-12-61)	Process for the manufacture of bipyridinium quaternary salts and herbicidal compositions containing them.
85324 (27-11-62)	Water-insoluble monoazo dyestuffs, process for their manufacture, their use for dyeing polyesters fibers and polyester fibers dyed therewith.	85686 (18-12-62)	Stabilization of propylene polymers.
85341 (27-11-62)	Process for preparing refractory material.	85689 (18-12-62)	Method of dephenolizing cumene by extraction by means of caustic soda solutions.
85351 (28-11-62)	Process for the removal of carbon dioxide from gases.	85693 (4-12-62)	Purification of unsaturated nitriles.
85355 (6-2-62)	An improved process for preparing ammonia synthesis gas.	85697 (18-12-62)	Anthraquinone vat dyestuffs of the phthaloylacridone series, process for their manufacture, and dyeing or printing fibers therewith.
85356 (28-11-62)	Stable solutions of starch and other polysaccharides in dimethyl sulfoxide suitable for use in the process for treating textiles and a process for preparing them.	85698 (18-12-62)	Process of purifying methanol.
85357 (29-11-61)	Improvements relating to the preparation of catalysts and to an isomerisation process in which said catalysts are employed.	85717 (19-12-62)	Compositions containing herbicidally active lactams.
85358 (28-11-62)	Process for the production of semiester chlorides of benzene-dicarboxylic acids.	85727 (19-12-62)	Improved process and equipment for steel-making and/or refining of iron.
85359 (28-11-62)	Process for the production of semiester chlorides of benzene-dicarboxylic acids.	85751 (21-12-62)	Process for the separation of acid components from a mixture.
85372 (29-11-62)	Compositions having nematocidal properties.	85766 (22-12-62)	Process for preparing butadiene-isobutylene copolymer.
		85770 (22-12-62)	Water-insoluble disazo dyestuffs and process for their manufacture and dyeing and printing fibrous material with such dyestuffs.
		85776 (24-12-62)	Process for preparing the N-monomethylamide of O, O-dimethyldithio-phosphorylactic acid.

No.	Title of the invention	89743	89746	89747	89751	89752	89753	89755	89756	89757
85777 (24-12-62)	Olefin polymerization.	89758	89759	89761	89762	89763	89765	89766	89768	89770
85783 (24-12-62)	Water-insoluble monozodyestuffs and process for their manufacture.	89774	89775	89776	89778	89784	89785	89786	89787	89789
85796 (15-1-62)	Process for producing improved catalysts.	89791	89792	89793	89794	89795	89796	89804	89805	89807
85798 (26-12-62)	Pigment preparations for the coloration of plastic masses and process for colouring the masses using them.	89809	89811	89818	89819	89820	89821	89823	89824	89826
85809 (27-12-62)	Microbiological nitrogen fixation for the production of nitrogenous fertilizers.	89827	89828	89829	89830	89831	89832	89834	89838	89839
85810 (27-12-62)	Preparation of cyanuric chloride.	89842	89844	89848	89849	89850	89863	89869	89876	89877
85811 (27-12-62)	Pest-controlling agents containing theazoline compounds.	89883	89888	89891	89897	89900	89901	89902	89903	89932
85813 (27-12-62)	Process for treating stable aqueous dispersions of homo- or copolymers and dipped goods or foamed rubber articles manufactured therefrom.	89938	89940	89947	89948	89949	89955	89957	89958	89959
85819 (3-1-62)	Process for preparing oxymethylene polymers and shaped objects formed from them.	89963	89964	89965	89975	89982	89996	89998	90001	90002
85851 (2-1-62)	Process for the preparation of cellular polymeric material and of expandable polyvinyl aromatic compounds suitable therefor.	90015	90018	90023	90027	90029	90030	90032	90035	90042
<b>Renewal Fees Paid</b>										
63142	66458 66469 66506 66830 67387 67786 67959 68853	90045	90048	90049	90050	90051	90052	90053	90055	90056
70496	70587 70691 70709 70731 70735 70867 70955 71004	90057	90058	90059	90060	90063	90069	90073	90077	90078
71089	71232 71241 75128 75135 75252 75327 75329 75331	90079	90081	90082	90083	90084	90088	90090	90096	90097
75397	75430 75542 75543 75580 75844 76139 77275 80041	90099	90100	90105	90111	90120	90122	90133	90134	90143
80428	80510 80511 80535 80664 80723 80746 80775 80833	90146	90155	90156	90157	90158	90162	90165	90166	90167
80897	80912 80941 81171 81241 81875 83866 84056 86234	90168	90169	90172	90173	90174	90177	90181	90182	90183
86300	86319 86365 86370 86399 86400 86409 86410 86480	90184	90185	90186	90187	90188	90196	90200	90207	90209
86510	86565 86867 86873 86874 87010 87013 87433 88111	90210	90211	90214	90219	90222	90223	90224	90226	90227
89541	89654 91858 92010 92025 92026 92027 92028 92041	90235	90236	90237	90239	90240	90242	90244	90246	90251
92046	92208 92260 92315 92316 92329 92344 92346 92384	90252	90253	90254	90263	90264	90267	90268	90269	90270
92385	92427 92445 92529 92688 92788 92984 92987 93411	90271	90272	90273	90277	90278	90279	90280	90281	90282
94500	95218 96121 97553 97581 97608 97697 97707 97722	90285	90289	90290	90291	90294	90296	90297	90300	90302
97732	97815 97816 97821 97822 97830 97865 97878 97883	90303	90306	90308	90310	90311	90312	90313	90316	90317
97913	97914 97915 97928 97932 97961 97962 98009 98028	90320	90321	90324	90326	90327	90328	90329	90330	90331
98071	98077 98133 98385 98553 99061 103177 103550	90332	90339	90341	90342	90343	90345	90347	90348	90351
103552	103573 103701 103705 103707 103725 103780 103795	90353	90356	90358	90359	90364	90365	90366	90367	90368
103823	103848 103866 103905 103963 103964 103979 103980	90370	90376	90377	90380	90385	90387	90388	90395	90403
103981	103982 103997 104043 104049 104054 104510 104572	90404	90405	90406	90408	90410	90412	90413	90416	90417
108021	108451 109066 109071 109100 109132 109137 109144 109146	90418	90419	90425	90426	90431	90434	90435	90436	90438
109198	109235 109238 109312 109351 109361 109375 109399	90439	90444	90449	90451	90452	90454	90457	90461	90462
109405	109462 109507 109516 109527 109528 109645 109646	90463	90464	90471	90475	90479	90487	90491	90498	90501
109674	109675 109676 109677 109678 109714 109734 109946	90502	90503	90505	90511	90517	90518	90519	90520	90521
109947	110924 112376 112815 114070 114188 114244 114300	90524	90526	90527	90529	90535	90536	90539	90540	90543
114312	114322 114326 114330 114331 114408 114445	90544	90545	90548	90551	90552	90554	90556	90557	90558
114467	114476 114529 114554 114557 114613 114626 114634	90559	90563	90564	90568	90569	90570	90572	90574	90583
114677	114726 114728 114747 114751 114758 114841 114845	90585	90590	90598	90606	90608	90611	90616	90617	90618
114866	114977 114978 115055 115555 115840 115841 115933	90620	90621	90622	90627	90633	90635	90636	90638	90639
119522	119543 119619 119620 119629 119636 119638 119648	90640	90641	90643	90644	90645	90648	90650	90651	90652
119649	119651 119683 119685 119746 119755 119758 119759	90653	90654	90657	90658	91337	91912	92056	97070	99618
119783	119784 119815 119842 119843 119846 119873 119918	99858	103543	105984						
119924	119926 119957 119963 119979 119991 120029 120039									
120040	120041 120052 120057 120064 120070 120073 120082									
120091	120124 120147 120148 120149 120207 120207 120284									
120609	121649 123125 124029 124030 124996 125016 125029									
125277	125532 126377 127023 127032 127378 129068.									

**Cessation of Patents**

78210	89600 89603 89604 89606 89607 89612 89615 89616
89617	89618 89627 89629 89630 89633 89635 89636 89637
89641	89642 89645 89647 89650 89653 89655 89659 89661
89665	89666 89667 89671 89672 89673 89675 89676 89677
89678	89679 89686 89692 89693 89694 89697 89698 89700
89701	89702 89704 89706 89708 89711 89714 89717 89724
89727	89729 89732 89734 89735 89737 89739 89740 89741

**Restoration Proceedings**

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 99211 granted to Mrs. Nani Bai for an invention relating to "Improvements in or relating to a device for testing hardness of rubber, plastic and the like material". The Patent ceased on the 30th August, 1970 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2, dated the 25-11-1972.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta, 17, on or before the 10-4-1973, under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 112494 granted to Umapada Banerji for an invention relating to "Improvements relating to internal combustion engine". The patent ceased on the 25th September, 1972 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2, dated the 27th January, 1973.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya

Jagadish Bose Road, Calcutta-17, on or before the 10th April, 1973, under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

#### Registration of Designs

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Indian Patents and Designs Act.

The date shown in each entry is the date of registration of the design including in the entry.

Class 1. No. 140007. Kisan Krishi Yantra Udyog, 64, Moti Bhawan, Collector Ganj, Kanpur (U.P.) (Indian partnership concern) "Rice polisher", July 4, 1972.

Class 1. No. 140008. Krishi Yantra Udyog, 64, Moti Bhawan, Collector Ganj, Kanpur (U.P.) (Indian Partnership concern), "Paddy dehusker", July 4, 1972.

Class 1. No. 140123. Kulwant Singh Iqbal, an Indian National, 60/D Pandurang Society, near Juhu P.O. Juhu, Bombay-54, State of Maharashtra, India, "A machine for dusting material in powdered form", August 5, 1972.

Class 1. No. 140124. Kulwant Singh Iqbal, an Indian National, 60/D Pandurang Society, near Juhu P.O. Juhu, Bombay-54, State of Maharashtra, India, "A spraying machine", August 5, 1972.

Class 1. No. 140136. Rajasthan Kala Kendra, 91-Crockery Market, Sadar Bazar, Delhi, Indian Partnership Concern, "Toy", August 11, 1972.

Class 1. No. 140137 to 140139. Ambica Iron & Steel Works & Re-Rolling Mills, Saijpur Bogha, Naroda Road, Ahmedabad-2, (Gujarat State), Indian Proprietary Concern, "Steel bars", August 11, 1972.

Class 1. No. 140140 to 140144. Jagdish Prasad Gupta, 281/1, Prempuri, Meerut City, Uttar Pradesh, (India), Indian National, "The reflective stud (cateyes)", August 14, 1972.

Class 1. No. 140192. Rex Auto Products, 3060-Bahadurgarh Road, Delhi Indian Partnership Concern, "Stand", August 29, 1972.

Class 1. No. 140350. Sama Naidu Palaniswamy, Managing Director, Bluemount Switchgears Associates (P) Ltd., 149, Patel Road, Coimbatore-9, Tamil Nadu, India, Indian Nationality, "A pumping unit", November 2, 1972.

Class 3. Nos. 139553 and 139554. Punamchand Keshavlal Shah, an Indian, C/o, Mayur Chem, 50 Essaji Street, 1st Floor, Bombay-3, Maharashtra, "Electrical bushes", February 14, 1972.

Class 3. No. 139891. Paramount Plastic Industries, 978, Gaurishankar Bhuvan, Diamond Chowk, Krishnanagar, Bhavanagar (Gujarat), Indian partnership concern, "Bottle made from plastic", May 12, 1972.

Class 3. No. 139947. Kalpana Industries, an Indian partnership Firm carrying on business at 405, Byculla Industrial Estate, Sussex Road, Near Victoria Garden, Bombay-27, Maharashtra, India, "Ashtray cum penstand", June 5, 1972.

Class 3. No. 139979. Mona Toys Industries, D-34, Rajouri Garden, New Delhi-15, India (An Indian Partnership Firm), "Toy owl", June 19, 1972.

Class 3. No. 139980. Mona Toys Industries, D-34, Rajouri Garden, New Delhi-15, India, (an Indian Partnership Firm), "Doll", June 19, 1972.

Class 3. No. 140080. Saeed Ahmed Abdul Rehman Merchant, an Indian, 40D, Ground Floor, Room No. 1, L. B. Shastri Marg, Kurla, Bombay-70, Maharashtra, "Dispenser", July 24, 1972.

Class 3. No. 140190. The Target Remedies Laboratory, 3A, Baranashi Ghosh Lane, Calcutta-6, West Bengal, a registered Indian Partnership concern, "Container", August 29, 1972.

Class 3. No. 140215. Mrs. Gunjbala Chinubhai Gandhi, Indian national, residing at Shreyas, Nariman Point, Backbay Reclamation, Bombay-20, State of Maharashtra, India, "A pillow", September 11, 1972.

Class 3. Nos. 140237 to 140239. Duphar-Interfran Limited, an Indian Company, F/5 Shivsagar Estate, Dr. Annie Besant Road, Bombay-18, WB, Maharashtra State, India, "Bottle", September 13, 1972.

Class 3. No. 140241. Plastall Plastic Industries, Asian Chemical Compound, Subhash Nagar, Jogeshwari East, Bombay-40060, Maharashtra, an Indian, "Bottle", September 14, 1972.

Class 3. No. 140242. Plastall Plastic Industries, Asian Chemical Compound, Subhash Nagar, Jogeshwari East, Bombay-400060, Maharashtra, an Indian, "Hair brush with mirror", September 14, 1972.

S. VEDARAMAN,

*Controller General of Patents, Designs and Trade Marks*